

# Armstrong

## MEMORANDUM

**To:** University Curriculum Committee  
**From:** Phyllis Fulton  
Catalog Editor and Committee Secretary  
**Date:** February 25, 2015  
**Re:** Agenda – March 4, 2015

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The University Curriculum Committee will meet at 3:00 p.m. on Wednesday, March 4 in University Hall 282.

## A G E N D A

### CALL TO ORDER

David Lake

**APPROVAL OF MINUTES** – February 4, 2015, and February 23, 2015

### ITEMS

I. College of Education (no items)

### II. College of Health Professions

A. Diagnostic and Therapeutic Sciences (no items)

#### B. Health Sciences

1. Create the following course:

**HITC 4100 Analysis of Healthcare Data**

**3-0-3**

**Prerequisites: MATH 2200 and HSCC 2300 or Permission of instructor**

**Description: Survey of the methods that are commonly employed in the analysis of healthcare data commonly extracted from healthcare information systems such as electronic health records.**

Rationale: An external review of curriculum, based on industry-defined competency domains, has identified a need to add a course in health care data analysis methods to the existing curriculum to ensure adequate content coverage.

**Effective Term: Spring 2016**

**CURCAT:****Major Department – Health Sciences****Can course be repeated for additional credit? No****Maximum number of credits: 3****Grading Mode: Normal****Instruction Type: Lecture****Course Equivalent: None****2. Create the following course:****HITC 4700 Introduction to Project Management****3-0-3****Prerequisites: HSCA 4630 and ITEC 3600 or Permission of instructor****Description: Survey of knowledge areas and tools necessary for successful management and completion of HI-related projects. Starting from project pre-initiation and selection process, this course also stresses the life cycle of health care information technology (HIT) projects and how to apply appropriate knowledge areas in various phases of HIT project's life cycle for integrated project management.**

Rationale: An external review of curriculum, based on industry-defined competency domains, has identified a need to add a course in project management principles and tools to the existing curriculum to ensure adequate content coverage.

**Effective Term: Spring 2016****CURCAT:****Major Department – Health Sciences****Can course be repeated for additional credit? No****Maximum number of credits: 3****Grading Mode: Normal****Instruction Type: Lecture****Course Equivalent: None****3. Create the following course:****HITC 4750 Principles of Knowledge Management and Decision Support****3-0-3****Prerequisites: HSCA 4630 or Permission of Instructor****Description: Introduction to the principles of knowledge management and its application to health informatics. The course will address standard knowledge management lifecycle, including acquisition, organization, processing, sharing, and operationalization within the healthcare enterprise as well as common approaches to clinical decision support, diffusion of innovation, data warehousing, and data mining.**

Rationale: An external review of curriculum, based on industry-defined competency domains, has identified a need to add a course in project management principles and tools to the existing curriculum to ensure adequate content coverage.

**Effective Term: Spring 2016**

**CURCAT:**

**Major Department – Health Sciences**  
**Can course be repeated for additional credit? No**  
**Maximum number of credits: 3**  
**Grading Mode: Normal**  
**Instruction Type: Lecture**  
**Course Equivalent: None**

**4. Create the following course:**

**HITC 4800 Special Topics in Health Informatics** **3-0-3**  
**Prerequisites: HSCA 4630 or Permission of Instructor**  
**Description: Introduction to current and emerging topics of importance to the field of health informatics including, but not limited to, health information exchange, meaningful use of health data, electronic medical record and provider order entry systems, enterprise architecture and applications, data standards, interoperability, etc.**

Rationale: An external review of curriculum, based on industry-defined competency domains, has identified a need to add a current topics course to the existing curriculum to ensure adequate content coverage of new and emerging health information technologies, standards, and industry trends.

**Effective Spring 2016**

**CURCAT:**

**Major Department – Health Sciences**  
**Can course be repeated for additional credit? No**  
**Maximum number of credits: 3**  
**Grading Mode: Normal**  
**Instruction Type: Lecture**  
**Course Equivalent: None**

**5. Create the following course:**

**HITC 4900 Internship** **V-V-(1-6)**  
**Prerequisites: Permission of Instructor**  
**Description: On-site experience under the direction of a site supervisor (an off-campus health informatics professional) and a faculty supervisor. A faculty supervisor will establish criteria for performance and evaluation prior to the semester the internship is undertaken. Students may use a maximum of 6 hours of internship credit to fulfill degree requirements.**

Rationale: An on-site internship is required for certification

**Effective Spring 2016**

**CURCAT:****Major Department – Health Sciences****Can course be repeated for additional credit? No****Maximum number of credits: 3****Grading Mode: Normal****Instruction Type: Lecture****Course Equivalent: HITC 4000****6. Delete the following course:**~~**HITC 4000 Internship** ~~V-V-(1-6)~~~~

Rationale: The addition of several new pre-internship 4000 level courses in health informatics (HITC) necessitates a re-numbering of the internship course section to reflect its status as the end-of-program culminating experience.

**Effective Term: Spring 2016****7. Modify the following program of study:****Bachelor of Health Science, Health Informatics track****Track 5: Health Informatics****A. General Requirements (core Areas A, B, C, D.I, and E) 42 hours****Core Area F .....18 hours**

CSCI 1150 Fundamentals of the Internet and World-Wide Web

CSCI 2070 Introduction to Computer Ethics and Cyber Security

HSCC 2500 Health Issues and Resources

ITEC 1310 Programming for Information Technology

~~MATH 2200—Elementary Statistics~~**HSCC 2300 Management of Health Information**

RESP 2110 Medical Terminology

**Physical Education.....3 hours****First-Year Seminar ..... 1 hour****B. Major Field Courses .....15 hours**

HSCC 3110 Legal Issues in the Health Care Environment

HSCC 3140 Epidemiology

~~ITEC 2000 Introduction to App Development~~**HLPR 2200 Interprofessional Teams in Healthcare Organizations**

ITEC 2530 Operating Systems

ITEC 3500 Database Administration

**C. Related Field Courses ..... ~~36-39~~ 45 hours**~~CSCI 3301 Unix and Secure Web Development~~~~HITC 4000—Internship~~**HITC 4100 Analysis of Healthcare Data****HITC 4700 Introduction to Project Management****HITC 4750 Principles of Knowledge Management and Decision Support**

HITC 4800 Special Topics in Health Informatics

HITC 4900 Internship

HSCA 4620 Principles of Management in Health Services Organizations

HSCA 4630 Health Information Systems

HSCA 4655 Principles of Health Insurance and Reimbursement

HSCA 4660 Survey of Health Outcomes

~~HSCC 3130 Health Policy Issues~~

HSCC 4020 Seminar in Professional Issues

HSCP 2000 Ethical Theories/Moral Issues in Health

ITEC 3600 Systems Analysis and Design

ITEC 3700 Cybersecurity I

~~ITEC 3710 E-Commeree~~

ITEC 3800 Data Communications and Networks

~~ITEC 5001U Cyber Security I~~

**D. Electives ..... 6-9 hours**

Choose 6-9 hours from the following:

~~ECON 2105 Principles of Macroeconomics\*~~

~~ECON 2106 Principles of Microeconomics\*~~

~~ITEC 5002U Cyber Security II~~

~~MHSA 5500U Managing Health Professionals~~

~~MHSA 5800U Comparative Health Care Systems~~

*\*ECON 2105 or ECON 2106 required if not taken in Area E.*

Rationale: Changes in the program of study are requested as a result of newly added curriculum content specific to health informatics based on industry standards, feedback received regarding curriculum content from area practitioners and changes in degree management.

**Effective Date: Fall 2015**

C. Nursing (no items)

D. Rehabilitation Sciences (no items)

### III. College of Liberal Arts

A. Art, Music, and Theatre (no items)

#### B. Criminal Justice, Social, and Political Science

1. Create the following course:

**SOCI 4800 Service Learning and Civic Engagement**

**3-V-3**

**Prerequisite: SOCI 1101**

**An experiential learning course that connects sociological concepts and theories to community service. Includes field experiences.**

Rationale: The study of sociology encourages students to recognize their potential to promote social change through community involvement. This course will give students the opportunity to connect their understanding of theoretical approaches to

social issues with their interest in solving real world problems through interactions with community-based organizations.

**Effective Term: Spring 2016**

**CURCAT:**

**Major Department: Criminal Justice, Social & Political Science**

**Can course be repeated for additional credit? No**

**Maximum Number of Credit Hours: 3**

**Grading Mode: Normal**

**Instruction Type: Lecture**

**Equivalent Course: N/A**

- C. Economics (no items)
- D. Gender Studies (no items)
- E. History (no items)
- F. Languages, Literature, & Philosophy (no items)
- G. Liberal Studies (no items)
- H. Honors Program (no items)

#### **IV. College of Science and Technology**

- A. Biology (no items)
- B. Chemistry and Physics (no items)
- C. Computer Science and Information Technology (no items)
- D. Engineering Studies (no items)
- E. Mathematics (no items)

#### **F. Psychology**

1. **Create the following course:**

**PSYC 3850 SPORTS PSYCHOLOGY**

**3-0-3**

**Prerequisite: PSYC 1101**

**Addresses psychological factors associated with superior athletic performance for individuals and teams. Topics include learning, motivation, leadership, and the examination of mental training strategies designed to enhance performance.**

Rationale: Sports psychology is the specialty area of our new faculty hire, Dr. Huynh. This course will add to our applied psychology offerings and satisfy major requirements as well as upper division electives.

**Effective Spring 2016**

**CURCAT:**

**Major Department: Psychology**

**Can Course be repeated for additional credit? No**

**Maximum Number of Credit Hours: 3**

**Grading Mode: Normal**

**Instruction Type: Lecture**  
**Course Equivalent: None**

**2. Delete the following course:**

~~PSYC 3900 THE PSYCHOLOGY OF THE SELF 3-0-3~~

Rationale: This course was a specialty course for a former faculty member and the remaining faculty have no interest in teaching it.

**Effective Spring 2016**

**3. Create the following course:**

**PSYC 4050 ADVANCED RESEARCH DESIGN AND ANALYSIS 3-0-3**

**Prerequisite: PSYC 1101 and PSYC 2200 (minimum grade of C) and PSYC 2201 (minimum grade of C)**

**Examination and critique of research designs in the literature of a scientific psychology. Topics include conceptual and mathematical foundations for common measurement and analytical procedures which may include parametric and nonparametric tests.**

Rationale: The goal of this course is to provide senior psychology majors with advanced lecture content on research designs and analyses suitable for scientific psychological research.

**Effective Spring 2016**

**CURCAT:**

**Major Department: Psychology**

**Can Course be repeated for additional credit? No**

**Maximum Number of Credit Hours: 3**

**Grading Mode: Normal**

**Instruction Type: Lecture**

**Course Equivalent: None**

**4. Delete the following course:**

~~PSYC 4000 MEASUREMENT 3-0-3~~

Rationale: The department will address more design and analytical techniques than currently covered in a course on measurement. Some of this material will be covered in the proposed course (PSYC 4050) along with other advanced design and statistical issues. Deleting PSYC 4000 and beginning the new course is the most efficient way of making the change.

**Effective Spring 2016**

5. **Create the following course:**

**PSYC 4051 ADVANCED RESEARCH DESIGN AND ANALYSIS LAB 0-1-1**

**Corequisite: PSYC 4050**

**Develop and conduct a required, original research project. Students apply statistical procedures to analyze data and compose an empirical article that conforms to APA standards.**

Rationale: The goal of this course is to provide senior psychology majors with advanced laboratory experiences with psychological research designs and analyses suitable for APA-style manuscripts.

**Effective Spring 2016**

**CURCAT:**

**Major Department: Psychology**

**Can Course be repeated for additional credit? No**

**Maximum Number of Credit Hours: 1**

**Grading Mode: Normal**

**Instruction Type: Laboratory**

**Course Equivalent: None**

6. **Delete the following course:**

~~PSYC 4001 Measurement Laboratory 0-1-1~~

Rationale: With the deletion of PSYC 4000 this course will no longer be needed.

**Effective Spring 2016**

7. **Modify the following program of study:**

**PROGRAM FOR THE DEGREE OF BACHELOR OF SCIENCE IN PSYCHOLOGY**

**B. Major Field Courses**

**I. All courses in this section**

PSYC 3090 Physiological Psychology

~~PSYC 4000 Measurement (3 hours)~~

~~PSYC 4001 Measurement Laboratory (1 hour)~~

PSYC 4050 Advanced Research Design and Analysis (3 hours)

PSYC 4051 Advanced Research Design and Analysis Lab (1 hour)

PSYC 4090 Learning and Behavior (3 hours)

PSYC 4091 Learning and Behavior Laboratory (1 hour)

PSYC 4100 History and Systems of Psychology

**II. Two courses selected from categories A-C, with no more than one course from a category:**

Category A:

PSYC 3070 Sensation and Perception **or** PSYC 3500 Cognitive Psychology



Category B:

PSYC 3080 Evolutionary Psychology **or** PSYC 3190 Comparative Psychology

Category C:

PSYC 5060U Basic Behavior Principles and Behavior Change

**III. Two courses selected from**

PSYC 3020 Psychological Testing

PSYC 3110 Theories of Personality

PSYC 3160 Clinical Psychology

PSYC 3200 Industrial and Organizational Psychology

PSYC 3280 Abnormal Psychology

PSYC 5060U Basic Behavior Principles and Behavior Change

PSYC 5061U Advanced Behavioral Assessment

PSYC 5100U Women and Mental Health

PSYC 5150U Conflict Resolution

PSYC 5300U Leadership & Group Dynamics

**IV. Two courses selected from:**

PSYC 3030 Experimental Social

PSYC 3050 Child Psychology

PSYC 3100 Psychology of Human Sexuality

PSYC 3800 Health Psychology

**PSYC 3850 Sports Psychology**

~~PSYC 3900 Psychology of Self~~

PSYC 5062U Advanced Behavior Change Techniques

**Effective Fall 2015**

**8. Modify the following program of study:**

**PROGRAM FOR THE DEGREE OF BACHELOR OF ARTS IN PSYCHOLOGY**

**B. Major Field Courses**

**I. All courses in this section:**

PSYC 3000 Human Resource Dev Skills

~~PSYC 4000 Measurement~~

**PSYC 4050 Advanced Research Design and Analysis**

PSYC 4100 History and Systems of Psychology

PSYC 4130 Senior Internship

One course selected from:

PSYC 3200 Industrial and Organizational Psychology

PSYC 5060U Basic Behavior Principles and Behavior Change

**II. One course selected from:**

PSYC 3070 Sensation and Perception

PSYC 3080 Evolutionary Psychology

PSYC 3090 Physiological Psychology

PSYC 3190 Comparative Psychology

PSYC 3500 Cognitive Psychology

**III. Two courses selected from:**

PSYC 3200 Industrial and Organizational Psychology

PSYC 5150U Conflict Resolution

PSYC 5300U Leadership and Group Dynamics

PSYC 5060U Basic Behavior Principles and Behavior Change or PSYC

5061U Advanced Behavioral Assessment

**IV. One course selected from:**

PSYC 3020 Psychological Testing

PSYC 3110 Theories of Personality

PSYC 3160 Clinical Psychology

PSYC 3280 Abnormal Psychology

PSYC 5061U Advanced Behavioral Assessment or PSYC 5062U Advanced  
Behavior Change Techniques

PSYC 5100U Women and Mental Health

**V. One course selected from:**

PSYC 3030 Experimental Social Psychology

PSYC 3050 Child Psychology

PSYC 3100 Human Sexuality

PSYC 3800 Health Psychology

**PSYC 3850 Sports Psychology**

~~PSYC 3900 Psychology of Self~~

PSYC 5062U Advanced Behavior Change Techniques

**Effective Fall 2015**

**OTHER BUSINESS**

**A. Informational Item:** From Dr. Delana Gajdosik-Nivens: “The grading mode for MATH 0987 and 0989 (the foundations level courses in learning support) need to be A, B, C, F since they are not co-req’ed to the core classes.” The courses were created with a grading mode of S/U, and it should be a grading mode of Normal.

“The co-req’ed courses, MATH 0997, 0999 and ENGL 0999 should be S and U and you can only get the S if you pass MATH 1001, MATH 1111 or ENGL 1101.” It is possible that this was not reflected in what was previously passed.

**B. Item amended by Faculty Senate.** The change to the program of study in the Bachelor of Science in Secondary Education was amended on the floor of the Faculty Senate at the request of the College of Education. The amended item was further amended from the floor of the Senate; those amendments are noted on each document (See Attachment 1)

**ADJOURNMENT**

## Create program of study for BSED in Secondary Education: English/Language Arts Teacher Education

**AREA F** ..... 18 Hours

EDUC 2110 Critical and Contemporary Issues in Education 3

EDUC 2120 Exploring Socio-Cultural Perspectives of Diversity in Education 3

EDUC 2130 Exploring Learning and Teaching 3

**See advisor for 9 hours of courses (1000-2000) level that support area of English concentration**

**Major Courses**.....**36 hours**

EDUC 3100 Technology Applications for Teachers 2

EDUC 3200 Curriculum, Instruction and Assessment 3

EDUC 3300 Educating Students with Disabilities in the Gen Ed Classroom 3

**EDUC 3250 Educational Policy and Professional Standards for Teachers 2**

SCED 3081 Student and Classroom Assessment 2

SCED 3400 Classroom Management Strategies 3

SCED 4200 Reading and Writing **In the Content Areas** 3

SCEDU 5300U Content Methods in Secondary English and Language Arts 3

SCED 3750 Internship I 3

SCED 4750 Internship II 12

**Teaching Area Content Courses**.....  ..... **24 hours**

**See advisor for 24 hours of upper level courses (3000-4000) that support area of English concentration**

Leigh Rich: Change (3000-4000) to: (3000-level and above)

First Year Seminar 1

Physical Education 3

**124 hours**

## ii. Create program of study for BSED in Secondary Education: History Teacher Education

### AREA F

18 hours

EDUC 2110 Critical and Contemporary Issues in Education	3
EDUC 2120 Exploring Socio-Cultural Perspectives of Diversity in Education	3
EDUC 2130 Exploring Learning and Teaching	3
<b>See advisor for 9 hours of courses (1000-2000) level that support area of History/Social Studies concentration</b>	

### Major Courses

36 hours

EDUC 3100 Technology Applications for Teachers	2
EDUC 3200 Curriculum, Instruction and Assessment	3
EDUC 3300 Educating Students with Disabilities in the Gen Ed Classroom	3
<b>EDUC 3250 Educational Policy and Professional Standards for Teachers</b>	<b>2</b>
SCED 3081 Student and Classroom Assessment	2
SCED 3400 Classroom Management Strategies	3
SCED 4200 Instructional Approaches to Reading and Writing in the Content Areas	3
SCED5400U Content Methods in Secondary History and Social Studies	3
SCED 3750 Internship I	3
SCED 4750 Internship II	12

### Teaching Area Content Courses

24 hours

See advisor for 24 hours of upper level courses (3000-4000) that support area of History/Social Studies concentration



First Year Seminar  
Physical Education

Leigh Rich: Change  
(3000-4000) to: (3000-  
level and above)

1  
3

124 hours

**iii. Create program of study for BSED in Secondary Education: Science Teacher Education/ General Science Teacher Education**

**AREA F**

18 hours

EDUC 2110 Critical and Contemporary Issues in Education	3
EDUC 2120 Exploring Socio-Cultural Perspectives of Diversity in Education	3
EDUC 2130 Exploring Learning and Teaching	3
<b>See advisor for 9 hours of courses (1000-2000) level that support area of Broad-field Science concentration</b>	

**Major Courses**

36 hours

EDUC 3100 Technology Applications for Teachers	2
EDUC 3200 Curriculum, Instruction and Assessment	3
EDUC 3300 Educating Students with Disabilities in the Gen Ed Classroom	3
<b>EDUC 3250 Educational Policy and Professional Standards for Teachers</b>	2
SCED 3081 Student and Classroom Assessment	2
SCED 3400 Classroom Management Strategies	3
SCED 4200 Reading and Writing in the Content Areas	3
SCED5500U Content Methods in Secondary Science	3
SCED 3750 Internship I	3
SCED 4750 Internship II	12

**Teaching Area Content Courses**

24 hours

See advisor for 24 hours of upper level courses (3000-4000) that support area of Broad-field Science concentration



Leigh Rich: Change  
(3000-4000) to: (3000-level  
and above)

**First Year Seminar**  
**Physical Education**

1

3

124 hours

**iv. Create program of study for BSED in Secondary Education: Mathematics Teacher Education**

<b>AREA F</b>	<b>18 hours</b>
EDUC 2110 Critical and Contemporary Issues in Education	3
EDUC 2120 Exploring Socio-Cultural Perspectives of Diversity in Education	3
EDUC 2130 Exploring Learning and Teaching	3
<b>See advisor for 9 hours of courses (1000-2000) level that support area of Mathematics</b>	

<b>Major Courses</b>	<b>36 hours</b>
EDUC 3100 Technology Applications for Teachers	2
EDUC 3200 Curriculum, Instruction and Assessment	3
EDUC 3300 Educating Students with Disabilities in the Gen Ed Classroom	3
<b>EDUC 3250 Educational Policy and Professional Standards for Teachers</b>	<b>2</b>
SCED 3081 Student and Classroom Assessment	2
SCED 3400 Classroom Management Strategies	3
SCED 4200 Reading and Writing Across the Curriculum	3
SCED 5600U Content Methods in Secondary Mathematics	3
SCED 3750 Internship I	3
SCED 4750 Internship II	12

<b>Teaching Area Content Courses</b>		<b>24 hours</b>
<b>See advisor for 24 hours of upper level courses (3000-4000) that support area of Mathematics concentration</b>		

<b>First Year Seminar</b>	Leigh Rich: Change	<b>1</b>
<b>Physical Education</b>	(3000-4000) to:	<b>3</b>
	(3000-level and above)	<b>124 hours</b>